Draft Green Policy

Briefing for
Climate Change Committee
September 11, 2009

Why Develop a Green Policy?

- Continue tradition of good environmental stewardship

- Complement SCAQMD Climate Change Policy and implement Item #8

Major Contributors to GHG (and other pollutants)
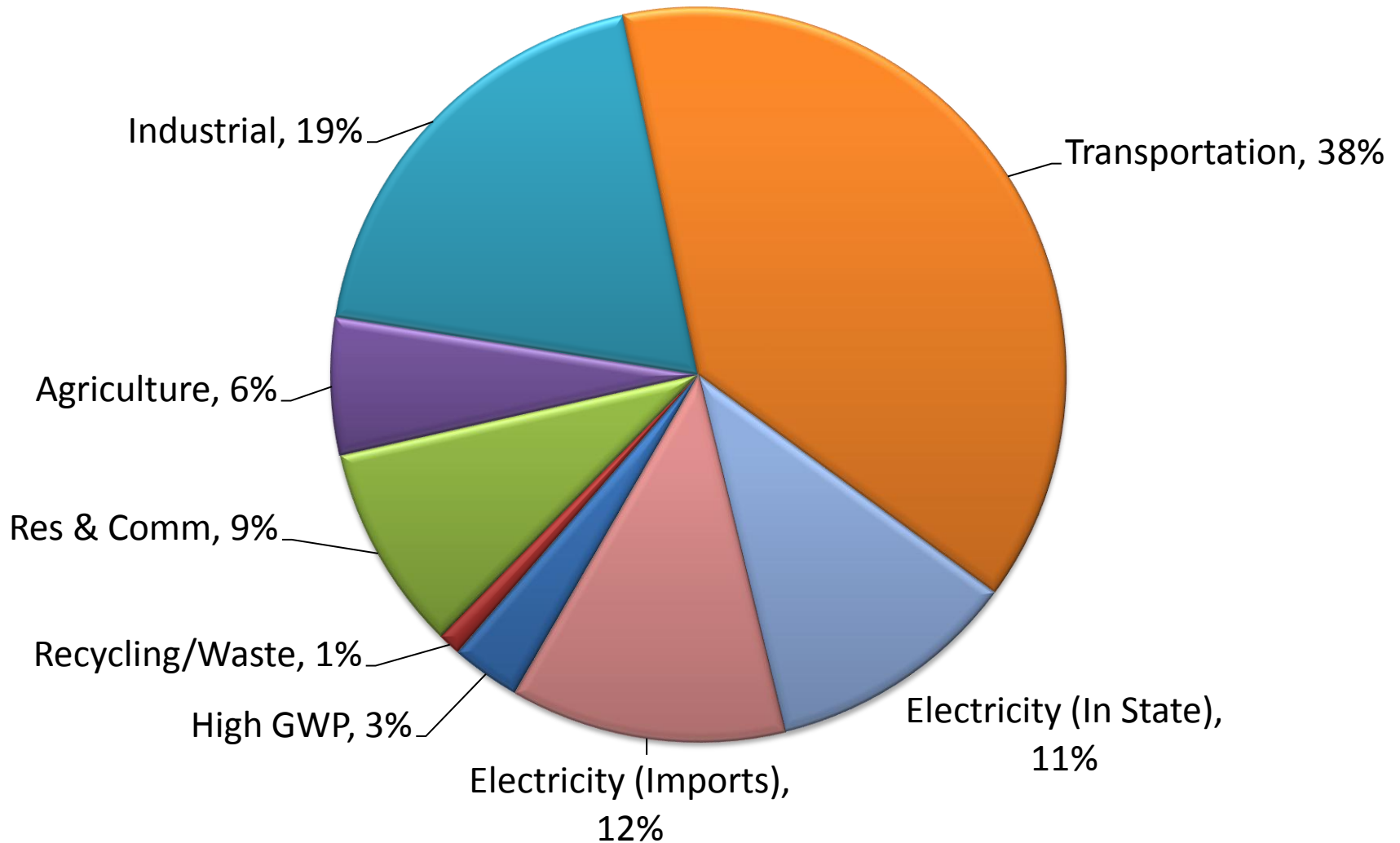
Transportation
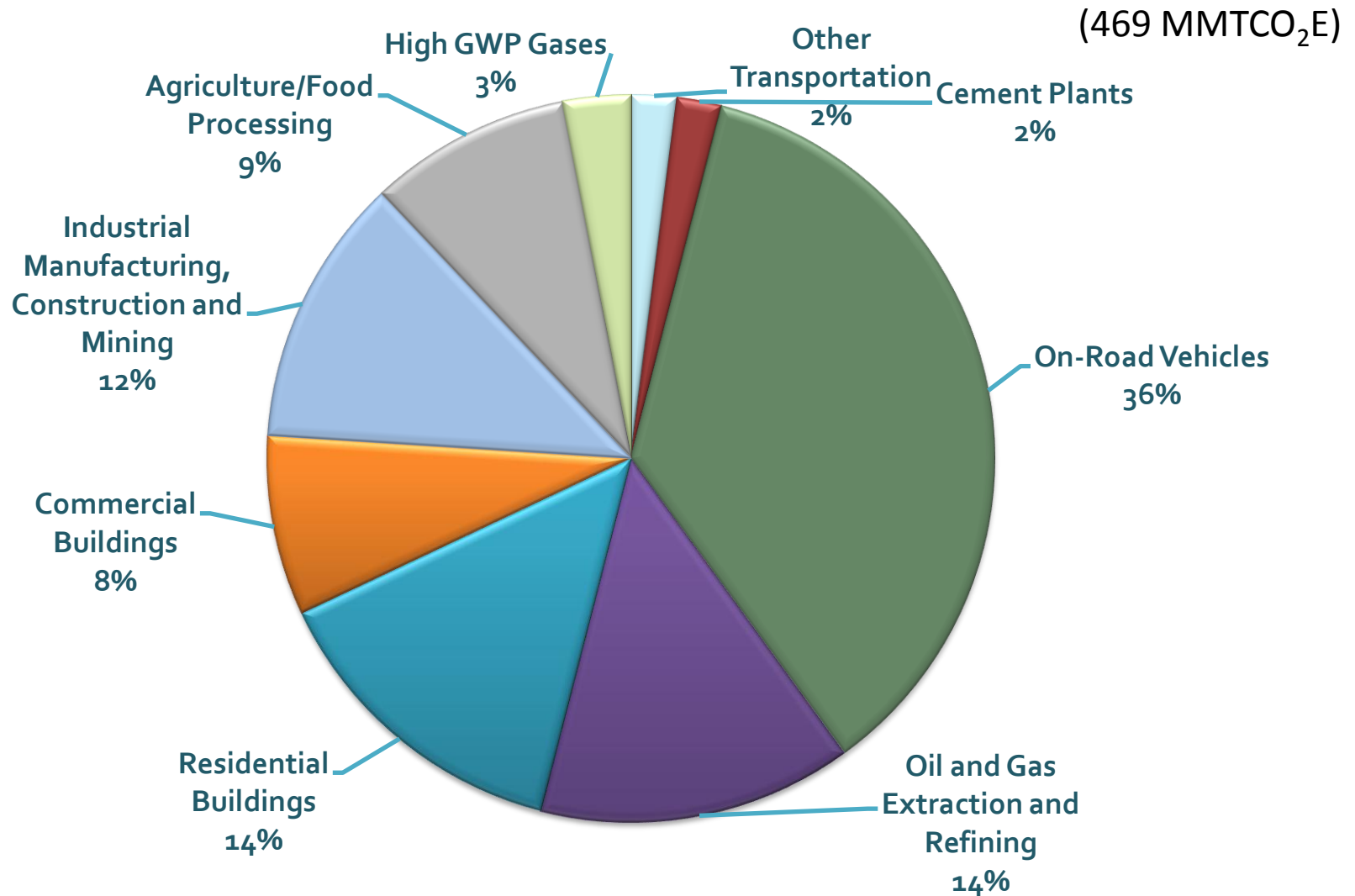
Electricity

Fuel use

Water (clean up, transport)

CA GHG Emissions 2002-2004

(469 MMTCO$_2$E)

- Transportation, 38%
- Industrial, 19%
- Agriculture, 6%
- Res & Comm, 9%
- Recycling/Waste, 1%
- High GWP, 3%
- Electricity (Imports), 12%
- Electricity (In State), 11%

CA GHG - Demand Side 2002-2004

(469 MMTCO$_2$E)

High GWP Gases 3%

Other Transportation 2%

Cement Plants 2%

Agriculture/Food Processing 9%

Industrial Manufacturing, Construction and Mining 12%

On-Road Vehicles 36%

Commercial Buildings 8%

Residential Buildings 14%

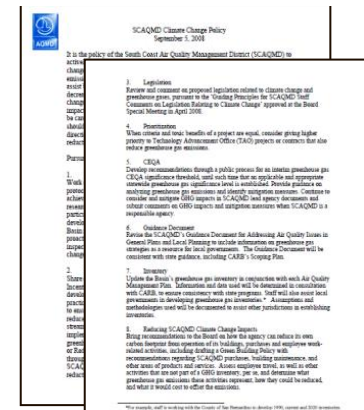Oil and Gas Extraction and Refining 14%

SCAQMD Historical 'Green' Actions

- Headquarters design
  - Low VOC paints, products
  - Natural lighting
  - Drought tolerant landscaping
- Energy and efficiency
  - Light shelves
  - Light sensors/timers
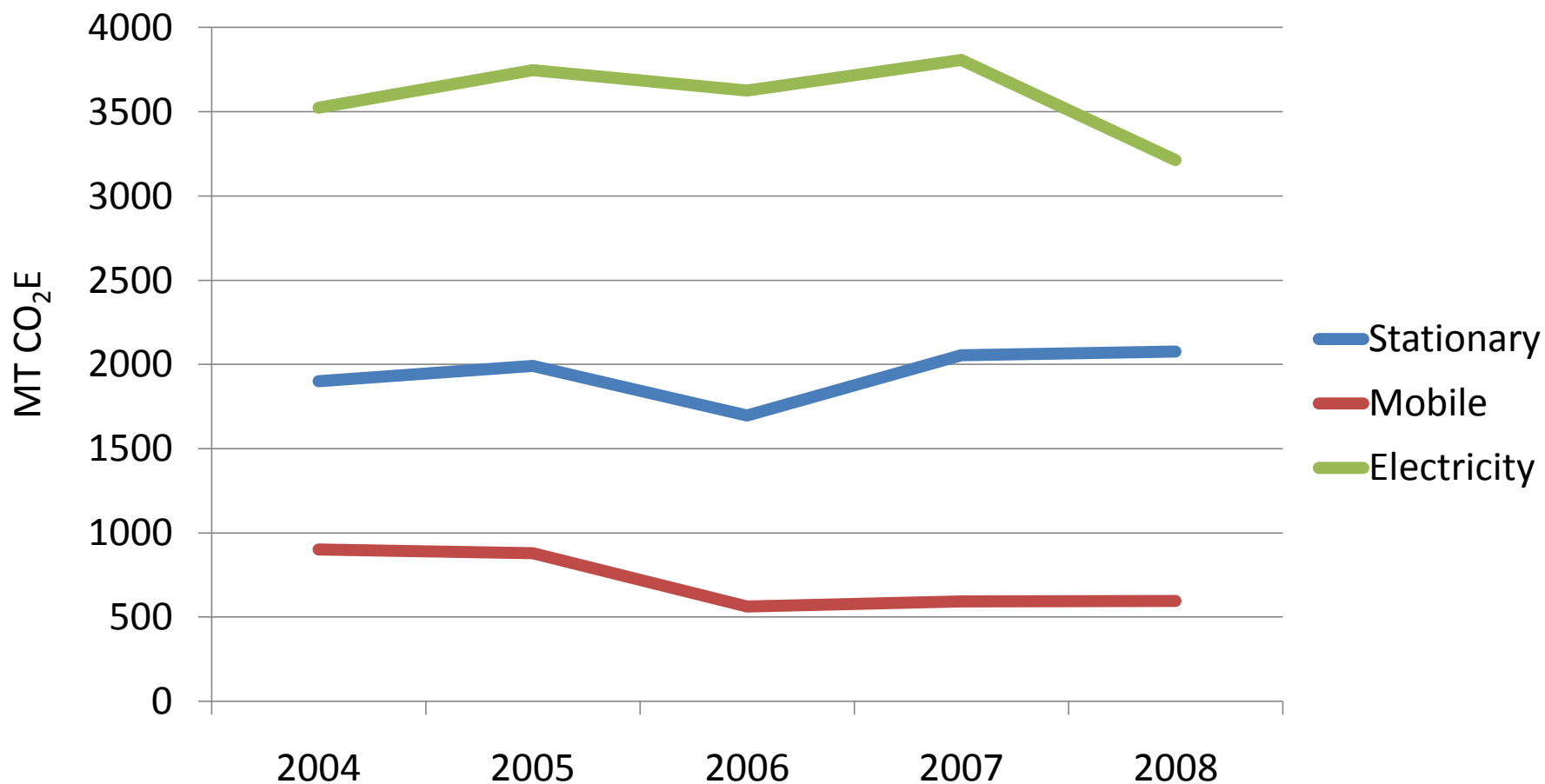 - Solar panels
  - Fuel cells

SCAQMD 'Green' Actions (con't.)

- Technology advancement projects
- Our fleets
- Rideshare program here
- Recycling programs
- Contracts for janitorial, gardening, cafeteria, etc.
- Climate Change
  - Board committee
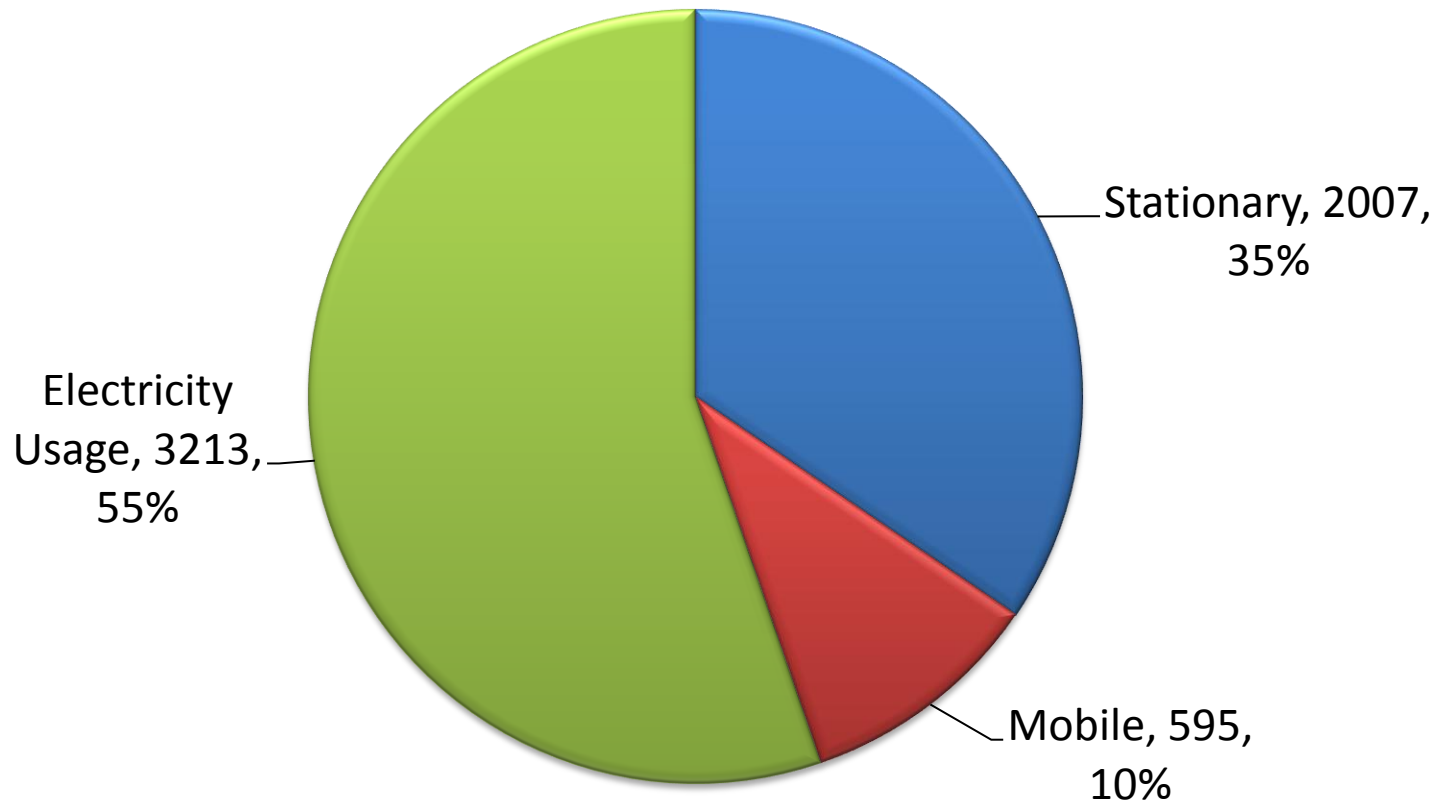 - Climate Change Policy
- Voluntary reporting of GHGs

SCAQMD GHG Emissions

2008 SCAQMD GHG Emissions (MT CO$_2$E)

Stationary, 2007, 35%

Electricity Usage, 3213, 55%

Mobile, 595, 10%

Major Elements of Proposed Green Policy

- Purpose

- Main objectives

- Major topic areas

- Process and evaluation

Draft Purpose

- Identify and implement additional practices
  - Reduce energy and water use
  - Use environmentally friendly products and services
  - Promote recycling and minimize environmental impacts
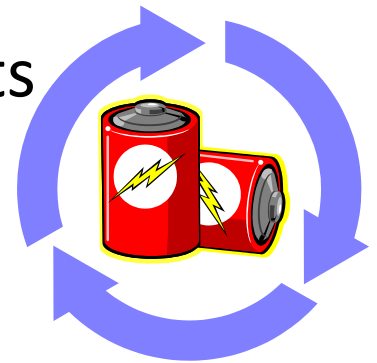
Draft Objectives

- Reduce direct and indirect emissions
    - Example of direct emissions:
        - Fuel combustion
    - Examples of indirect emissions:
        - Electricity usage
        - Water usage
        - Travel

Major Topic Areas

- Building
  - Energy use, efficiency measures
  - Water use
  - Waste reduction, recycling
  - Fire suppression systems and refrigerants
  - Purchasing policies

Major Topic Areas (con't.)

- Fleets - continue to purchase low emitting, new technology
- Other
  - Education for employees
  - Continue to report GHG emissions

Suggested Process & Evaluation

- Board approval of Green Policy and any related expenses outside of budget process
- Internal task force to meet quarterly - status of projects, additional ideas
  - Each division has representative
- Set specific targets in some areas, monitor progress
  - Possible project for student intern
- Annual report to Committee & Board
- Periodic updates of Green Policy